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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ambrose, et al.  
Serial No.: 09/932,201 Art Unit: 2834  
Filed: August 17, 2001 Examiner: Not yet assigned  
For: INTEGRATED COMMUTATOR WITH SENSE MAGNET

Attorney Docket No.: M8540/250222

Commissioner for Patents  
Washington, D.C. 20231

CERTIFICATE OF FACSIMILE TRANSMISSION  
I hereby certify that this Response to Office Action  
and all documents referred to as enclosed are being  
facsimile transmitted to the U.S. Patent and  
Trademark Office on July 18, 2002 fax no. 703-872-  
9318 at TC2800 (ART UNIT 2834).

*Colleen T. Kadian*  
Colleen Kadian

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## PRELIMINARY AMENDMENT

JUL 18 2002

Sir:

TECHNOLOGY CENTER 2800

Prior to the initial examination, please amend the above-identified application as follows:

IN THE SPECIFICATION

Please replace the paragraph found on page 6 of the Specification that begins with "While the shell 12, magnet 16, and core 14 . . ." with the following paragraph:

While the shell 12, magnet 16, and core 14 of the commutator 10 may be assembled such as by welding or gluing the components together, the commutator 10 is preferably manufactured using a method that obviates the need for such retention means, but rather relies on the commutator's 10 design and materials to impart stability to the assembly. In one possible manufacturing process, the magnet pre-form 16 and shell 12 are first positioned within the commutator mold. Note, however, that a pre-formed magnet need not be used. Instead of pre-forming the magnet powder mixture into the magnet, the powder mixture could simply be poured directly into the mold. Regardless,

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